

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
1/2002	ACTION International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
International application No.	27/12/2002						
PCT/RU 02/00566	29/12/2001						
Applicant							
SKAKUNOV, Yuriy Pavlovich							
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Auth ansmitted to the International Bureau.	nority and is transmitted to the applicant					
This International Search Report consists	s of a total of sheets.						
X It is also accompanied by	y a copy of each prior art document cited in this	report.					
Basis of the report a. With regard to the language, the language in which it was filed, ut	e international search was carried out on the ba nless otherwise indicated under this item.	sis of the international application in the					
Authority (Bule 23.1(b)).	was carried out on the basis of a translation of						
b. With regard to any nucleotide a	nd/or amino acid sequence disclosed in the i	nternational application, the international search					
was carried out on the basis of t	ional application in written form.	•					
	ternational application in computer readable for	m.					
furnished subsequently	to this Authority in written form.						
furnished subsequently	to this Authority in computer readble form.	:					
international application	ubsequently furnished written sequence listing as filed has been furnished.						
the statement that the in furnished	nformation recorded in computer readable form	is identical to the written sequence listing has been					
2. Certain claims were fo	ound unsearchable (See Box I).						
3. Unity of invention is la	3. Unity of invention is lacking (see Box II).						
4. With regard to the title,		·					
1	submitted by the applicant.						
	lished by this Authority to read as follows:						
in the second se	•						
5. With regard to the abstract,							
1	submitted by the applicant.	ority as it appears in Box III. The applicant may,					
the lext has been estal within one month from	the date of mailing of this international search	report, submit comments to this Authority.					
6. The figure of the drawings to be p	ublished with the abstract is Figure No.	1					
X as suggested by the a		None of the figures.					
	failed to suggest a figure.						
because this figure be	tter characterizes the invention.						

International application No. PCT/ 2/ 00566

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The group of inventions comprises the method for processing of multi-component liquid mixtures (MCLM) and the plant for its implementation. The claimed method of MCLM separation comprises pressurized feeding of hydrocarbon liquid mixture to an ejector nozzle with its further discharging to a vacuum chamber. The novel feature of the method is creation of additional to a vacuum chamber to form a pressure surge. in the vacuum chamber to form a pressure surge.

The claimed plant for MCLM processing comprises a feeding pump, a head delivery main, a discharge main, control instrumentation and an evacuating device comprising a horizontal vacuum chamber. The novel feature of the plant is embodiment of the evacuating device as a hydraulic/gas ejector, integrated nto the front end wall of the vacuum chamber, the length of which exceeds its avity diameter by the factor 7 to 10, this plant further comprising a avity diameter by the factor 7 to 10, this plant further to the rear end wall of counterpressure regulator connected through a pipeline to the rear end wall of he vacuum chamber, and a vacuum pressure gauge connected to the vacuum chamber in the latter's front section.

INTERNATIONAL SEARCH REPORT

Interponal Application No PCT/RU 0566

A. CLASSIFICATION OF SUBJECT MATERIAL PORTION OF SUBJECT PORTION OF SUBJEC

B01D3/10

B01D3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C10G F04F B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, API Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to claim No.
X .	US 6 277 247 B1 (POPOV SERGUEI 21 August 2001 (2001-08-21) claim 1; figure 1	A)	1
A	column 2, line 24-49 column 3, line 18-25 column 4, line 39-64		2-4
Α	US 3 373 089 A (VAUTRAIN LUCIE 12 March 1968 (1968-03-12) figure 1 column 3, line 27-53	N H ET AL)	1-4
A	GB 2 003 394 A (TZE WEN TAN) 14 March 1979 (1979-03-14) claims 1,4; figure 1 page 1, line 51-81		1-4
X Furth	er documents are listed in the continuation of box C.	Y Patent family members are	listed in annex.
"A" docume consider filing de l' documer which i citation other n' "P" docume	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	"T" later document published after the or priority date and not in conflic cited to understand the principle invention. "X" document of particular relevances cannot be considered novel or cinvolve an inventive step when the cannot be considered to involve document is combined with one ments, such combination being in the art. "&" document member of the same p	thin the application but or theory underlying the ; the claimed invention aannot be considered to the document is taken alone; the claimed invention en inventive step when the or more other such docupobulous to a person skilled
Date of the s	ctual completion of the international search	Date of mailing of the Internation	nal search report
30) June 2003	07/07/2003	
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.	Authorized officer Harf, J	

INTERNATIONAL SEARCH REPORT *

PCT/RU 0566

	ation) DOCUMENTS CONSIDER OF BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 636 324 A (BUCKEYE LAB CORP) 26 April 1950 (1950-04-26) claim 1; figure 1 page 3, line 72-95	1-4
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Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCIAN 02/00566

	Publication date		Patent family member(s)	Publication date
B1	21-08-2001	RU WO	2124916 C1 9850127 A2	20-01-1999 12-11-1998
Α	12-03-1968	NONE		
A	14-03-1979	NONE		
Α	26-04-1950	NONE		
	A A	A 12-03-1968 A 14-03-1979	A 12-03-1968 NONE A 14-03-1979 NONE	A 14-03-1979 NONE Member(s) RU 2124916 C1 WO 9850127 A2 A 12-03-1968 NONE

7.5. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

							PTT 2'S POTATO 25 JUN 20	an a
Substitute for Form 1449A/PT			Application N	Number	(U. National Phase Appln. baseu on PCT/RU02/00566)) 		
INFORMATION DISCLOSURE		Filing Date		Concomitantly herewith				
STATEMENT BY APPLICANT			First Named I	Inventor	SKAKUNOV et al			
			Group Art Uni	it				
					Examiner Name	•		
Sheet 2 of 2			Attorney Dock	tet Number	04331/HG			
		ОТНЕ	ER D	OCUMENTS	- NON-PATEN	T LITERAT	URE DOCUMENTS	
Examiner Initials ¹	Cite No.¹	Incl pa	ude na ge(s)	ame of author , volume-issu	(in CAPITAL LETTE e number(s), publ:	ERS), title of isher, city ar	f article, title of item, date, ad/or country where published	Γ²
	Initials No. Page(s), volume-issue SOKOLOV et al, "Jet pp. 278-309 (1989)				(Translation,	pp. 302-306	AT, 3-d edition, Moscow, (5).	
Examiner Signatur					Dat	te nsidered		

DATE	MAILED:	JUNE	25	, 2004

^{*} EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 $^{^{1}}$ Unique citation designation number. 2 Place a check here if English translation is attached.